Agreement No. CE 10/2014 (CE)
Development of Anderson Road Quarry Site- Investigation, Design and Construction
EIA Report on Rock Cavern Developments
Calculation of Emission Rates for Construction Dust Assessment

Appendix 4.2 - Details of Construction Dust Impact Assessment
Emission Rates for 1-hour & 24-hr Average

Location	Source	Emission Factors	Unmitigated Emission Rates	Mitigated Emission Rates	Parameters		Remarks
Cavern Works Area	Earthworks	Heavy Construction Area Source ($g/m^2/s$)	2.076E-04	2.595E-05	TSP emission factor (Mg/hectare/month of activity)	2.69	*from AP-42, S13.2.3, 1/95 ed, derivation of the factor assumes that construction activity occurs 30 days per month* [(1)]
					Percentage area actively operating (%)	100	*conservative approach*
					% of dust suppression	87.5	*see Appendix 4.6*
			9.817E-05	1.227E-05	RSP emission factor (TSP emission factor x 47%, k conversion factor of 0.35 / 0.74 = 0.47, Mg/hectare/month of activity)	1.27E+00	
			1.487E-05	1.858E-06	FSP emission factor (TSP emission factor x 7%, k conversion factor of 0.053 / 0.74 = 0.07, Mg/hectare/month of activity)	1.93E-01	
		Wind erosion ($g/m^2/s$) (For night-time, Sunday and public holidays only)	2.695E-06	2.695E-06	TSP emission factor (Mg/hectare/yr)	0.85	*AP-42, 5th ed., Table 11.9.4*
					Percentage area actively operating (%)	100	*conservative approach*
					% of dust suppression	0	
			1.275E-06	1.275E-06	RSP emission factor (TSP emission factor x 47%, k conversion factor of 0.35 / 0.74 = 0.47, Mg/hectare/yr of activity)	4.02E-01	
			1.930E-07	1.930E-07	FSP emission factor (TSP emission factor x 7%, k conversion factor of 0.053 / 0.74 = 0.07,Mg/hectare/yr of activity)	6.09E-02	

Emission Rates for Annual Average

Location	Source	Emission Factors	Unmitigated Emission Rates	Mitigated Emission Rates	Parameters		Remarks
Cavern Works Area	Earthworks	Heavy Construction Area Source ($g/m^2/s$)	2.076E-04	2.595E-05	TSP emission factor (Mg/hectare/month of activity)	2.69	*from AP-42, S13.2.3, 1/95 ed, derivation of the factor assumes that construction activity occurs 30 days per month* [(1)]
					Percentage area actively operating (%)	100	*conservative approach*
					% of dust suppression	87.5	*see Appendix 4.6*
			9.817E-05	1.227E-05	RSP emission factor (TSP emission factor x 47%, k conversion factor of 0.35 / 0.74 = 0.47, Mg/hectare/month of activity)	1.27E+00	
			1.487E-05	1.858E-06	FSP emission factor (TSP emission factor x 7%, k conversion factor of 0.053 / 0.74 = 0.07, Mg/hectare/month of activity)	1.93E-01	
		Wind erosion ($g/m^2/s$) (For night-time, Sunday and public holidays only)	2.695E-06	2.695E-06	TSP emission factor (Mg/hectare/yr)	0.85	*AP-42, 5th ed., Table 11.9.4*
					Percentage area actively operating (%)	100	*conservative approach*
					% of dust suppression	0	
			1.275E-06	1.275E-06	RSP emission factor (TSP emission factor x 47%, k conversion factor of 0.35 / 0.74 = 0.47, Mg/hectare/yr of activity)	4.02E-01	
			1.930E-07	1.930E-07	FSP emission factor (TSP emission factor x 7%, k conversion factor of 0.053 / 0.74 = 0.07, Mg/hectare/yr of activity)	6.09E-02	

Note: (1 According to USEPA Compilation of Air Pollution Emission Factors (AP-42), 5th Edition, the derivation of the factor 2.69 Mg/hectare/month of activity assumes that construction activity occurs 30 days per month, it is used to derive a daily emission estimate of 0.0897 Mg/hectare/day (i.e. 2.69/30) for the use in the modelling assessment.

Scenario: Unmitigated

Project Type [1] [2] [3]	Source ID	Source Type	Centriod Coordinates x1 (m)	Centriod Coordinates y1 (m)	Dimension x2 (m)	Dimension y2 (m)	Height (m)	Angle (deg)	1-hour/24-hour Assessment: Weekday's Day-time Emission Rates (g/m2/s) TSP	RSP	FSP	1-hour/24-hour Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) TSP	RSP	FSP	Annual Assessment: Weekday's Day-time Emission Rates (g/m2/s) RSP	FSP	Annual Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) RSP	FSP
Rock Cavern Development Project																		
Rock Cavern [1]	WC08-18-01	Area	842074.6	821215.9	64.8	52.5	0	47	2.08E-04	9.82E-05	1.49E-05	2.70E-06	1.27E-06	1.93E-07	9.82E-05	1.49E-05	1.27E-06	1.93E-07
Concurrent Projects																		
The ARQ Project [2]	SP01-1	Area	841972.2	821076.6	90.4	173.2	0.0	-47	8.37E-06	3.96E-06	5.96E-07	2.70E-06	1.27E-06	1.90E-07	7.72E-06	5.82E-07	1.30E-07	1.90E-08
Pedestrian Connectivity [2]	WC01_PL5A-1	Area	841711.1	819980.9	22.2	27.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-2	Area	841696.0	819949.2	17.7	38.1	0.0	-9	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-3	Area	841674.2	819918.6	17.4	30.2	0.0	-56	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-4	Area	841649.1	819881.1	20.3	54.2	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-5	Area	841659.0	819872.7	4.8	35.0	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-6	Area	841662.4	819865.4	7.5	10.4	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-1	Area	841851.6	819802.8	9.8	87.8	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-2	Area	841794.6	819717.4	49.0	12.5	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-3	Area	841804.2	819691.2	6.8	11.4	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-4	Area	841894.3	819842.3	42.2	12.5	0.0	-79	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-5	Area	841834.8	819780.7	17.5	39.4	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-6	Area	841796.7	819776.1	40.5	34.1	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-7	Area	841783.2	819709.0	45.7	14.8	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-8	Area	841770.3	819705.9	42.9	11.6	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-1	Area	842321.1	819702.8	17.5	30.5	0.0	-8	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-2	Area	842322.2	819779.2	22.6	24.9	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-3	Area	842342.0	819753.7	10.4	38.9	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-4	Area	842320.3	819724.7	11.0	12.2	0.0	-6	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-5	Area	842503.3	819659.0	27.0	67.0	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-6	Area	842542.3	819641.6	43.1	15.2	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-7	Area	842537.2	819663.8	41.4	30.3	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-8	Area	842327.9	819760.7	7.6	13.7	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-9	Area	842307.5	819684.7	14.3	9.8	0.0	-37	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
The ARQ Project [2]	WC03_PH1-1	Area	841866.5	820804.7	57.0	107.2	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-2	Area	841935.0	820675.0	28.5	193.7	0.0	19	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-3	Area	842068.9	820468.6	20.4	229.0	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-4	Area	842040.6	820443.6	33.8	97.4	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-5	Area	841998.2	820501.3	30.7	40.7	0.0	30	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-6	Area	842043.1	820364.6	37.9	60.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-7	Area	842154.6	820485.0	79.4	128.8	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-8	Area	842237.7	820516.6	28.9	41.7	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-9	Area	842220.7	820567.6	72.0	77.0	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-10	Area	842255.4	820489.2	26.9	294.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-11	Area	842404.9	820529.1	24.8	93.6	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-12	Area	842446.6	820444.9	19.6	89.2	0.0	15	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-13	Area	842470.2	820367.2	21.5	70.2	0.0	24	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-14	Area	842522.0	820303.1	18.1	91.0	0.0	44	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-15	Area	842572.2	820222.6	15.4	95.8	0.0	22	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-16	Area	842607.7	820136.0	14.8	91.4	0.0	22	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-17	Area	842639.4	820078.5	15.4	35.9	0.0	46	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-18	Area	842669.7	820060.0	14.0	30.3	0.0	71	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-19	Area	842715.1	820053.6	14.7	58.0	0.0	89	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-20	Area	842775.6	820063.2	13.9	61.3	0.0	-72	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-21	Area	842828.0	820090.1	13.7	53.5	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-22	Area	842857.1	820121.2	13.1	27.8	0.0	-32	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08

Appendix 4.2 - Details of Construction Dust Impact Assessment
Location and Details of Worksites for Fugitive Dust Assessment

Scenario: Unmitigated

			Centriod Coordinates		Dimension				1-hour/24-hour Assessment						Annual Assessment			
									Weekday's Day-time Emission Rates (g/m2/s)			Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s)			Weekday's Day-time Emission Rates (g/m2/s)		Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s)	
			x1	y1	x2	y2	Height	Angle										
Project Type [1] [2] [3]	Source ID	Source Type	(m)	(m)	(m)	(m)	(m)	(deg)	TSP	RSP	FSP	TSP	RSP	FSP	RSP	FSP	RSP	FSP
The ARQ Project [2]	WC03_PH1-23	Area	842873.4	820164.5	13.8	62.3	0.0	-15	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-24	Area	842892.3	820207.9	15.5	27.2	0.0	-46	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-25	Area	842922.8	820224.6	20.6	30.9	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-26	Area	842954.3	820218.7	20.4	25.3	0.0	63	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-27	Area	842980.1	820202.7	20.4	33.6	0.0	55	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-28	Area	842978.7	820181.8	6.2	15.8	0.0	5	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-29	Area	842957.0	820123.3	15.3	134.9	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-30	Area	843008.8	820192.6	16.3	33.8	0.0	-51	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-31	Area	843039.4	820213.4	17.1	36.9	0.0	-65	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-32	Area	843072.3	820224.8	16.2	29.9	0.0	-78	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-33	Area	842348.2	820479.4	100.7	118.2	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-34	Area	842266.0	820458.6	34.9	36.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-35	Area	842388.7	820418.3	45.5	91.8	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-36	Area	842415.2	820392.9	27.7	61.5	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-37	Area	842484.1	820288.6	72.9	49.1	0.0	-45	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-38	Area	842529.3	820259.7	29.7	28.2	0.0	-45	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-39	Area	842445.2	820013.2	31.5	45.2	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-40	Area	842584.3	820123.2	110.2	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-41	Area	842620.6	820068.9	17.8	20.4	0.0	-61	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-42	Area	842589.7	820528.7	99.2	309.2	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-43	Area	842687.5	820486.9	107.5	216.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-44	Area	842874.0	820109.9	26.3	55.9	0.0	-30	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-45	Area	842915.5	820170.9	31.0	87.2	0.0	-40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-46	Area	842567.6	820360.2	46.0	119.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-47	Area	842508.2	820381.1	71.2	25.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-48	Area	842779.0	820415.4	122.9	195.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-49	Area	842931.7	820289.0	112.9	72.2	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-50	Area	843003.8	820248.0	51.8	80.1	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-51	Area	843054.4	820251.9	26.8	36.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-52	Area	842555.6	820111.8	80.3	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-53	Area	842527.8	820096.4	60.4	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-54	Area	842502.5	820076.7	40.4	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-55	Area	842482.6	820033.8	73.4	38.6	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-56	Area	842458.5	820578.0	120.1	123.9	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-57	Area	842508.5	820352.7	38.6	19.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-58	Area	842593.8	820309.2	25.7	95.7	0.0	-54	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-59	Area	842783.2	820237.9	79.3	320.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-60	Area	842862.6	820233.5	57.7	95.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-61	Area	842808.4	820144.8	64.4	112.4	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-62	Area	842748.8	820088.3	26.9	47.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-63	Area	842958.7	820178.7	25.1	23.1	0.0	-40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-64	Area	842958.6	820147.4	9.0	60.8	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-65	Area	842557.9	820214.5	74.9	11.4	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-66	Area	842482.7	820486.9	61.9	31.5	0.0	59	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08

Appendix 4.2 - Details of Construction Dust Impact Assessment
Location and Details of Worksites for Fugitive Dust Assessment

Scenario: Unmitigated

Project Type [1] [2] [3]	Source ID	Source Type	Centriod Coordinates x1 (m)	Centriod Coordinates y1 (m)	Dimension x2 (m)	Dimension y2 (m)	Height (m)	Angle (deg)	1-hour/24-hour Assessment: Weekday's Day-time Emission Rates (g/m2/s) TSP	RSP	FSP	1-hour/24-hour Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) TSP	RSP	FSP	Annual Assessment: Weekday's Day-time Emission Rates (g/m2/s) RSP	FSP	Annual Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) RSP	FSP
The ARQ Project [2]	WC03_PH1-67	Area	842645.4	820165.3	69.8	47.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-68	Area	842674.2	820098.3	89.2	32.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-69	Area	842632.1	820368.8	44.2	33.9	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-70	Area	842606.3	820241.1	86.7	59.1	0.0	-65	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-71	Area	842738.1	820294.4	57.3	50.8	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-72	Area	842679.9	820195.1	45.6	40.2	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-73	Area	842099.1	820373.1	33.8	85.9	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-74	Area	841974.6	820550.8	24.8	64.7	0.0	18	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC05-1	Area	842257.9	820377.1	79.9	116.3	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
Clear Water Bay Road/On Sau Road RIW [3]	WC07_A3-01	Area	841574.8	821611.3	82.0	20.7	0.0	-87	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-02	Area	841394.6	821675.1	19.2	72.1	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-03	Area	841464.9	821689.3	31.4	70.8	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-04	Area	841560.3	821697.4	117.3	31.0	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-05	Area	841682.0	821716.2	27.6	126.2	0.0	-76	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-06	Area	841351.9	821701.4	11.0	164.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-07	Area	841359.0	821714.7	11.0	154.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-08	Area	841359.2	821691.7	11.0	120.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-09	Area	841440.4	821709.3	19.6	19.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-10	Area	841436.9	821722.8	8.2	11.4	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-11	Area	841460.7	821707.2	5.1	19.1	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-12	Area	841453.2	821710.6	5.2	6.4	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-13	Area	841450.9	821714.6	3.8	3.8	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-14	Area	841367.4	821728.5	11.0	130.7	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-15	Area	841363.0	821738.2	10.0	57.5	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-16	Area	841573.0	821667.0	40.9	30.0	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-17	Area	841546.1	821675.0	13.7	12.3	0.0	0	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-18	Area	841533.9	821679.1	12.3	5.6	0.0	0	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
New Clear Water Bay Road/Shun Lee Tsuen Road RIW [3]	WC07_A4-01	Area	840762.0	821548.8	288.0	33.1	0.0	-3	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-02	Area	840976.4	821509.9	157.5	30.6	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-03	Area	841064.8	821455.0	47.4	60.4	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-04	Area	841049.2	821416.5	28.3	22.7	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-05	Area	841060.4	821390.7	19.0	11.3	0.0	-77	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-06	Area	841070.1	821372.4	17.9	9.8	0.0	-48	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-07	Area	841086.4	821357.7	24.0	10.3	0.0	-36	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-08	Area	841098.3	821457.5	12.7	18.0	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-09	Area	841120.0	821444.3	34.4	12.7	0.0	-36	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-10	Area	841146.3	821411.6	47.0	19.8	0.0	-57	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-11	Area	841162.3	821370.5	37.3	12.7	0.0	-81	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-12	Area	841111.7	821424.4	30.3	8.1	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-13	Area	840570.1	821547.4	106.0	27.6	0.0	11	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-14	Area	841033.3	821463.6	17.5	12.7	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-15	Area	841089.7	821417.8	18.3	8.1	0.0	40	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08

Note:

[1] For the Rock Cavern Development Project, Weekday's Day-time Emission Rates were assumed contributed by Heavy Construction. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.

[2] For the Concurrent Projects of Anderson Road Quarry Development and Pedestrian Connectivity, worst-case assessment year (i.e. Year 2017) emission data were derived from the assumptions of the approved Schedule 3 EIA Report for Development of Anderson Road Quarry (Register No.: AEIAR-183/2014) . Weekday's Day-time Emission Rates were contributed by Heavy Construction/Stockpiling and Wind Erosion. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.

[3] For the Concurrent Projects of Road Improvement Works at Clear Water Bay Road/On Sau Road and New Clear Water Bay Road/Shun Lee Tsuen Road, latest information of the RIW projects at the RIW's worst-case assessment year in construction phase (i.e. Year 2017) were incorporated from a separate undertaking EIA for Development of Anderson Road Quarry Site – Road Improvement Works under EIA Study Brief No. ESB-268/2014. Weekday's Day-time Emission Rates were assumed contributed by Heavy Construction. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.

Scenario: Mitigated

Project Type [1] [2] [3]	Source ID	Source Type	Centriod Coordinates x1 (m)	Centriod Coordinates y1 (m)	Dimension x2 (m)	Dimension y2 (m)	Height (m)	Angle (deg)	1-hour/24-hour Assessment: Weekday's Day-time Emission Rates (g/m2/s) TSP	RSP	FSP	Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) TSP	RSP	FSP	Annual Assessment: Weekday's Day-time Emission Rates (g/m2/s) RSP	FSP	Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) RSP	FSP
Rock Cavern Development Project																		
Rock Cavern [1]	WC08-18-01	Area	842074.6	821215.9	64.8	52.5	0	47	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.23E-05	1.86E-06	1.27E-06	1.93E-07
Concurrent Projects																		
The ARQ Project [2]	SP01-1	Area	841972.2	821076.6	90.4	173.2	0.0	-47	8.37E-06	3.96E-06	5.96E-07	2.70E-06	1.27E-06	1.90E-07	7.72E-06	5.82E-07	1.30E-07	1.90E-08
Pedestrian Connectivity [2]	WC01_PL5A-1	Area	841711.1	819980.9	22.2	27.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-2	Area	841696.0	819949.2	17.7	38.1	0.0	-9	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-3	Area	841674.2	819918.6	17.4	30.2	0.0	-56	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-4	Area	841649.1	819881.1	20.3	54.2	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-5	Area	841659.0	819872.7	4.8	35.0	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5A-6	Area	841662.4	819865.4	7.5	10.4	0.0	-25	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-1	Area	841851.6	819802.8	9.8	87.8	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-2	Area	841794.6	819717.4	49.0	12.5	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-3	Area	841804.2	819691.2	6.8	11.4	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-4	Area	841894.3	819842.3	42.2	12.5	0.0	-79	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-5	Area	841834.8	819780.7	17.5	39.4	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-6	Area	841796.7	819776.1	40.5	34.1	0.0	-67	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-7	Area	841783.2	819709.0	45.7	14.8	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC01_PL5B-8	Area	841770.3	819705.9	42.9	11.6	0.0	-70	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-1	Area	842321.1	819702.8	17.5	30.5	0.0	-8	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-2	Area	842322.2	819779.2	22.6	24.9	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-3	Area	842342.0	819753.7	10.4	38.9	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-4	Area	842320.3	819724.7	11.0	12.2	0.0	-6	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-5	Area	842503.3	819659.0	27.0	67.0	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-6	Area	842542.3	819641.6	43.1	15.2	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-7	Area	842537.2	819663.8	41.4	30.3	0.0	11	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-8	Area	842327.9	819760.7	7.6	13.7	0.0	28	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC02_PL7-9	Area	842307.5	819684.7	14.3	9.8	0.0	-37	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
The ARQ Project [2]	WC03_PH1-1	Area	841866.5	820804.7	57.0	107.2	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-2	Area	841935.0	820675.0	28.5	193.7	0.0	19	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-3	Area	842068.9	820468.6	20.4	229.0	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-4	Area	842040.6	820443.6	33.8	97.4	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-5	Area	841998.2	820501.3	30.7	40.7	0.0	30	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-6	Area	842043.1	820364.6	37.9	60.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-7	Area	842154.6	820485.0	79.4	128.8	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-8	Area	842237.7	820516.6	28.9	41.7	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-9	Area	842220.7	820567.6	72.0	77.0	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-10	Area	842255.4	820489.2	26.9	294.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-11	Area	842404.9	820529.1	24.8	93.6	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-12	Area	842446.6	820444.9	19.6	89.2	0.0	15	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-13	Area	842470.2	820367.2	21.5	70.2	0.0	24	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-14	Area	842522.0	820303.1	18.1	91.0	0.0	44	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-15	Area	842572.2	820222.6	15.4	95.8	0.0	22	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-16	Area	842607.7	820136.0	14.8	91.4	0.0	22	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-17	Area	842639.4	820078.5	15.4	35.9	0.0	46	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-18	Area	842669.7	820060.0	14.0	30.3	0.0	71	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-19	Area	842715.1	820053.6	14.7	58.0	0.0	89	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-20	Area	842775.6	820063.2	13.9	61.3	0.0	-72	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-21	Area	842828.0	820090.1	13.7	53.5	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-22	Area	842857.1	820121.2	13.1	27.8	0.0	-32	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08

Scenario: Mitigated

Project Type [1] [2] [3]	Source ID	Source Type	Centriod Coordinates x1 (m)	Centriod Coordinates y1 (m)	Dimension x2 (m)	Dimension y2 (m)	Height (m)	Angle (deg)	1-hour/24-hour Assessment: Weekday's Day-time Emission Rates (g/m2/s) TSP	RSP	FSP	Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) TSP	RSP	FSP	Annual Assessment: Weekday's Day-time Emission Rates (g/m2/s) RSP	FSP	Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) RSP	FSP
The ARQ Project [2]	WC03_PH1-23	Area	842873.4	820164.5	13.8	62.3	0.0	-15	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-24	Area	842892.3	820207.9	15.5	27.2	0.0	-46	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-25	Area	842922.8	820224.6	20.6	30.9	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-26	Area	842954.3	820218.7	20.4	25.3	0.0	63	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-27	Area	842980.1	820202.7	20.4	33.6	0.0	55	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-28	Area	842978.7	820181.8	6.2	15.8	0.0	5	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-29	Area	842957.0	820123.3	15.3	134.9	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-30	Area	843008.8	820192.6	16.3	33.8	0.0	-51	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-31	Area	843039.4	820213.4	17.1	36.9	0.0	-65	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-32	Area	843072.3	820224.8	16.2	29.9	0.0	-78	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-33	Area	842348.2	820479.4	100.7	118.2	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-34	Area	842266.0	820458.6	34.9	36.6	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-35	Area	842388.7	820418.3	45.5	91.8	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-36	Area	842415.2	820392.9	27.7	61.5	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-37	Area	842484.1	820288.6	72.9	49.1	0.0	-45	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-38	Area	842529.3	820259.7	29.7	28.2	0.0	-45	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-39	Area	842445.2	820013.2	31.5	45.2	0.0	-52	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-40	Area	842584.3	820123.2	110.2	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-41	Area	842620.6	820068.9	17.8	20.4	0.0	-61	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-42	Area	842589.7	820528.7	99.2	309.2	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-43	Area	842687.5	820486.9	107.5	216.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-44	Area	842874.0	820109.9	26.3	55.9	0.0	-30	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-45	Area	842915.5	820170.9	31.0	87.2	0.0	-40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-46	Area	842567.6	820360.2	46.0	119.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-47	Area	842508.2	820381.1	71.2	25.8	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-48	Area	842779.0	820415.4	122.9	195.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-49	Area	842931.7	820289.0	112.9	72.2	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-50	Area	843003.8	820248.0	51.8	80.1	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-51	Area	843054.4	820251.9	26.8	36.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-52	Area	842555.6	820111.8	80.3	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-53	Area	842527.8	820096.4	60.4	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-54	Area	842502.5	820076.7	40.4	29.9	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-55	Area	842482.6	820033.8	73.4	38.6	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-56	Area	842458.5	820578.0	120.1	123.9	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-57	Area	842508.5	820352.7	38.6	19.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-58	Area	842593.8	820309.2	25.7	95.7	0.0	-54	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-59	Area	842783.2	820237.9	79.3	320.6	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-60	Area	842862.6	820233.5	57.7	95.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-61	Area	842808.4	820144.8	64.4	112.4	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-62	Area	842748.8	820088.3	26.9	47.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-63	Area	842958.7	820178.7	25.1	23.1	0.0	-40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-64	Area	842958.6	820147.4	9.0	60.8	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-65	Area	842557.9	820214.5	74.9	11.4	0.0	-64	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-66	Area	842482.7	820486.9	61.9	31.5	0.0	59	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08

Agreement No. CE 10/2014 (CE)
Development of Anderson Road Quarry Site- Investigation, Design and Construction

Appendix 4.2 - Details of Construction Dust Impact Assessment
Location and Details of Worksites for Fugitive Dust Assessment

Scenario: Mitigated

Project Type [1] [2] [3]	Source ID	Source Type	Centriod Coordinates x1 (m)	Centriod Coordinates y1 (m)	Dimension x2 (m)	Dimension y2 (m)	Height (m)	Angle (deg)	1-hour/24-hour Assessment: Weekday's Day-time Emission Rates (g/m2/s) TSP	RSP	FSP	1-hour/24-hour Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) TSP	RSP	FSP	Annual Assessment: Weekday's Day-time Emission Rates (g/m2/s) RSP	FSP	Annual Assessment: Weekday's Night-time/Sunday or Public Holiday's Emission Rates (g/m2/s) RSP	FSP
The ARQ Project [2]	WC03_PH1-67	Area	842645.4	820165.3	69.8	47.0	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-68	Area	842674.2	820098.3	89.2	32.3	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-69	Area	842632.1	820368.8	44.2	33.9	0.0	-33	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-70	Area	842606.3	820241.1	86.7	59.1	0.0	-65	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-71	Area	842738.1	820294.4	57.3	50.8	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-72	Area	842679.9	820195.1	45.6	40.2	0.0	-34	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-73	Area	842099.1	820373.1	33.8	85.9	0.0	40	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC03_PH1-74	Area	841974.6	820550.8	24.8	64.7	0.0	18	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
	WC05-1	Area	842257.9	820377.1	79.9	116.3	0.0	-90	2.01E-05	9.51E-06	1.44E-06	2.70E-06	1.27E-06	1.90E-07	9.51E-07	1.44E-07	1.30E-07	1.90E-08
Clear Water Bay Road/On Sau Road RIW [3]	WC07_A3-01	Area	841574.8	821611.3	82.0	20.7	0.0	-87	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-02	Area	841394.6	821675.1	19.2	72.1	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-03	Area	841464.9	821689.3	31.4	70.8	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-04	Area	841560.3	821697.4	117.3	31.0	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-05	Area	841682.0	821716.2	27.6	126.2	0.0	-76	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-06	Area	841351.9	821701.4	11.0	164.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-07	Area	841359.0	821714.7	11.0	154.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-08	Area	841359.2	821691.7	11.0	120.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-09	Area	841440.4	821709.3	19.6	19.0	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-10	Area	841436.9	821722.8	8.2	11.4	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-11	Area	841460.7	821707.2	5.1	19.1	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-12	Area	841453.2	821710.6	5.2	6.4	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-13	Area	841450.9	821714.6	3.8	3.8	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-14	Area	841367.4	821728.5	11.0	130.7	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-15	Area	841363.0	821738.2	10.0	57.5	0.0	-75	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-16	Area	841573.0	821667.0	40.9	30.0	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-17	Area	841546.1	821675.0	13.7	12.3	0.0	0	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A3-18	Area	841533.9	821679.1	12.3	5.6	0.0	0	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
New Clear Water Bay Road/Shun Lee Tsuen Road RIW [3]	WC07_A4-01	Area	840762.0	821548.8	288.0	33.1	0.0	-3	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-02	Area	840976.4	821509.9	157.5	30.6	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-03	Area	841064.8	821455.0	47.4	60.4	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-04	Area	841049.2	821416.5	28.3	22.7	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-05	Area	841060.4	821390.7	19.0	11.3	0.0	-77	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-06	Area	841070.1	821372.4	17.9	9.8	0.0	-48	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-07	Area	841086.4	821357.7	24.0	10.3	0.0	-36	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-08	Area	841098.3	821457.5	12.7	18.0	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-09	Area	841120.0	821444.3	34.4	12.7	0.0	-36	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-10	Area	841146.3	821411.6	47.0	19.8	0.0	-57	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-11	Area	841162.3	821370.5	37.3	12.7	0.0	-81	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-12	Area	841111.7	821424.4	30.3	8.1	0.0	1	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-13	Area	840570.1	821547.4	106.0	27.6	0.0	11	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-14	Area	841033.3	821463.6	17.5	12.7	0.0	-22	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08
	WC07_A4-15	Area	841089.7	821417.8	18.3	8.1	0.0	40	2.59E-05	1.23E-05	1.86E-06	2.70E-06	1.27E-06	1.93E-07	1.84E-06	2.79E-07	1.91E-07	2.90E-08

Note:

[1] For the Rock Cavern Development Project, Weekday's Day-time Emission Rates were assumed contributed by Heavy Construction. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.

[2] For the Concurrent Projects of Anderson Road Quarry Development and Pedestrian Connectivity, worst-case assessment year (i.e. Year 2017) emission data were derived from the assumptions of the approved Schedule 3 EIA Report for Development of Anderson Road Quarry (Register No.: AEIAR-183/2014) . Weekday's Day-time Emission Rates were contributed by Heavy Construction/Stockpiling and Wind Erosion. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.

[3] For the Concurrent Projects of Road Improvement Works at Clear Water Bay Road/On Sau Road and New Clear Water Bay Road/Shun Lee Tsuen Road, latest information of the RIW projects at the RIW's worst-case assessment year in construction phase (i.e. Year 2017) were incorporated from a separate undertaking EIA for Development of Anderson Road Quarry Site – Road Improvement Works under EIA Study Brief No. ESB-268/2014. Weekday's Day-time Emission Rates were assumed contributed by Heavy Construction. Weekday's Night-time/Sunday or Public Holiday's Emission Rates are assumed contributed by Wind Erosion only.